Early Journal Content on JSTOR, Free to Anyone in the World

This article is one of nearly 500,000 scholarly works digitized and made freely available to everyone in the world by JSTOR.

Known as the Early Journal Content, this set of works include research articles, news, letters, and other writings published in more than 200 of the oldest leading academic journals. The works date from the mid-seventeenth to the early twentieth centuries.

We encourage people to read and share the Early Journal Content openly and to tell others that this resource exists. People may post this content online or redistribute in any way for non-commercial purposes.

Read more about Early Journal Content at http://about.jstor.org/participate-jstor/individuals/early-journal-content.

JSTOR is a digital library of academic journals, books, and primary source objects. JSTOR helps people discover, use, and build upon a wide range of content through a powerful research and teaching platform, and preserves this content for future generations. JSTOR is part of ITHAKA, a not-for-profit organization that also includes Ithaka S+R and Portico. For more information about JSTOR, please contact support@jstor.org.

1903-1904

ANNALS OF MATHEMATICS

(FOUNDED BY ORMOND STONE)

EDITED BY

ORMOND STONE W. E. BYERLY H. S. WHITE
F. S. WOODS MAXIME BÔCHER
E. V. HUNTINGTON

PUBLISHED UNDER THE AUSPICES OF HARVARD UNIVERSITY

SECOND SERIES VOL. 5

Reprinted with the permission of
PRINCETON UNIVERSITY

by

KRAUS REPRINT CORPORATION

New York 1958

1903-1904

ANNALS OF MATHEMATICS

(FOUNDED BY ORMOND STONE)

EDITED BY

ORMOND STONE W. E. BYERLY H. S. WHITE
F. S. WOODS MAXIME BÔCHER
E. V. HUNTINGTON

PUBLISHED UNDER THE AUSPICES OF HARVARD UNIVERSITY

SECOND SERIES Vol. 5

Reprinted with the permission of

PRINCETON UNIVERSITY

by

KRAUS REPRINT CORPORATION

New York 1958

Printed in Germany

INDEX.

ALLARDICE, R. E., On a Linear Transformation, and some Systems of Hypocycloids, ... 169

ARZELA, C., Note on Series of Analytic Functions, ... 51

BIRKHOFF, G. D., and VANDIVER, H. S., On the Integral Divisors of $a^n - b^n$, ... 173

CONVERSE, H. A., On a System of Hypocycloids of Class Three Inscribed to a Given 3-line, and some Curves Connected with it, . . 105

COREY, S. A., Note on Stirling's Formula, ... 185

DICKSON, L. E., Determination of all Groups of Binary Linear Substitutions with Integral Coefficients taken Modulo 3 and of Determinant Unity, ... 140

DUVAL, E. P. R., Graphs of the Functions Π and Ψ, ... 64

GALE, A. S., Examples of Non-applicable Surfaces having the same Gaussian Curvature at Corresponding Points, ... 66

GREENHILL, A. G., The Mathematical Theory of the Top, . 1 and 67

KASNER, E., A Relation between the Circular and the Projective Transformations of the Plane, ... 99

KENNELLY, A. E., Two Elementary Constructions in Complex Trigonometry, ... 181

LING, G. H., A Geometric Discussion of the Absolute Convergence of a Series with Complex Terms, ... 151

MILLER, G. A., Note on Sylow's Theorem, ... 187

PEIRCE, B. O., Some Elementary Theorems Concerning the Steady Flow of Electricity in Solid Conductors, ... 153

SAUREL, P., On Quadratic Forms, ... 21

——, The Conditions for a Plait Point, ... 188

——, Acknowledgment, ... 192

VANDIVER, H. S. (See BIRKHOFF.)

WILSON, E. B., A Generalized Conception of Area: Applications to Collineations in the Plane, ... 29

——, Projective and Metric Geometry, ... 145

WOODS, F. S., Lines of Curvature on Minimum Developables, . . 46